MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

CaptiveAire Systems, Inc.
4641 Paragon Park Road
Raleigh, NC 27616

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Utility Set Exhaust and A Series Supply Steel Rooftop Fans

APPROVAL DOCUMENT: Drawing No. **NOA2**, titled "Steel Utility Set Exhaust and A Series Steel Supply Fans", sheets 1 through 13 of 13, dated 08/25/2008, with revision 3 dated 04/27/2012, prepared by CaptiveAire Systems, Inc, signed and sealed by L. David Rice, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, one of the five manufacturing locations: Youngsville, NC or Muskogee, OK or Redding, CA or West Union, IA or Bedford, PA, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This fan cannot be installed within the ridge area, FBC 1523.6.5.2.13.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises NOA No. 08-1124.08** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

01/15/2013

NOA No. 12-0724.02
Expiration Date: March 4, 2014
Approval Date: January 24, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **NOA2**, titled "Steel Utility Set Exhaust and A Series Steel Supply Fans", sheets 1 through 13 of 13, dated 08/25/2008, with revision 3 dated 04/27/2012, prepared by CaptiveAire Systems, Inc, signed and sealed by L. David Rice, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of Series/Model CASRE roof mounted exhaust fan, prepared by Architectural Testing, Inc., Test Report No. **B9460.01-109-18**, dated 05/31/2012, signed and sealed by Michael D. Stremmel, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of Series/Model HRE-24, high velocity roof fan, BI-36CARM, roof mounted exhaust fan and A5-925, modular down discharge blower, prepared by Architectural Testing, Inc., Test Report No. **83748.01-109-18**, dated 10/07/2008, with Revision 1 dated 01/06/2009, signed and sealed by Michael D. Stremmel, P.E. ***"Submitted under NOA No. 08-1124.08"***

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 07/05/2012, signed and sealed by L. David Rice, P.E.

   "Submitted under NOA No. 08-1124.08"
2. Anchor verification calculations, prepared by Rice Engineering, dated 11/12/2008, with revision dated 01/20/2008, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

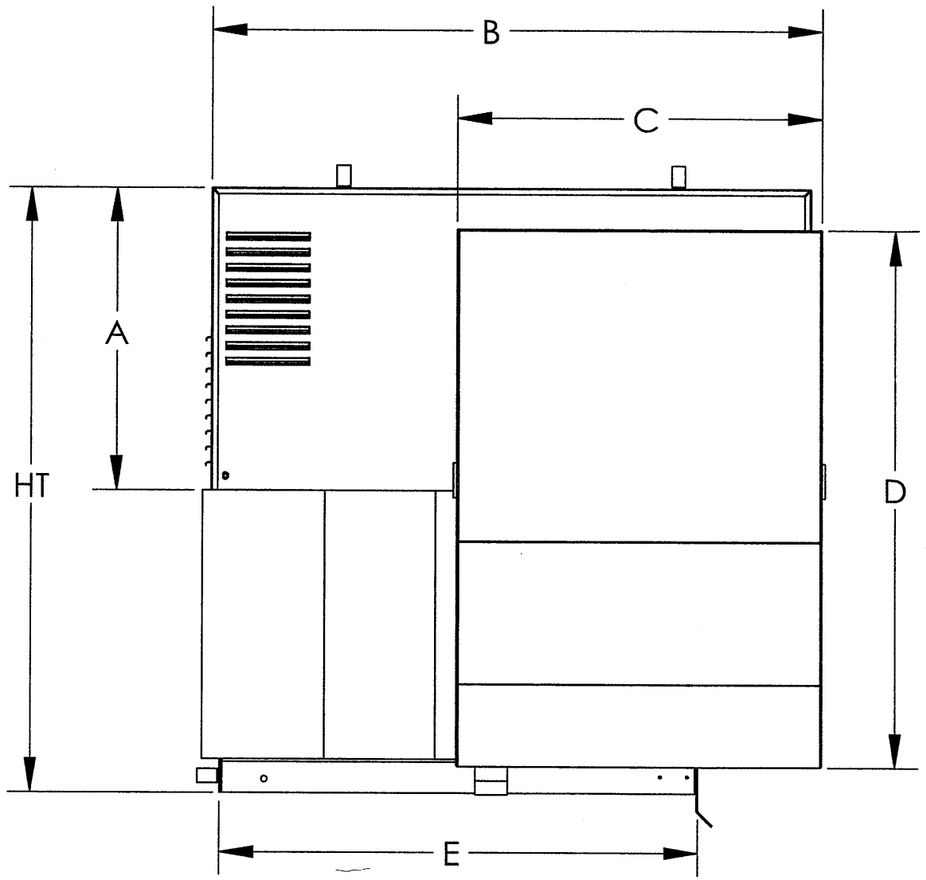
1. Statement letters of code conformance to 2010 FBC and no financial interest issued by Rice Engineering, dated 07/04/2012, signed and sealed by L. David Rice, P.E.
2. Statement letters of code conformance and no financial interest issued by Rice Engineering, dated 11/12/2008, signed and sealed by L. David Rice, P.E.
3. Laboratory compliance letter issued by Architectural Testing, Inc., for Test Reports No. **83748.01-109-18**, dated 10/08/2008, signed and sealed by Michael D. Stremmel, P.E. ***"Submitted under NOA No. 08-1124.08"***

01/15/2013

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0724.02
Expiration Date: March 4, 2014
Approval Date: January 24, 2013

Dimensional Data - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
1	Changes Per Dade County	N Perry	1446	12/30/08
2	HRE Dim Changes	N Perry	2181	11/19/10
3	Added RE Fan To NOA 2	N Perry	2152	4/27/12



General Notes:

1. This approval is for the structural capacity and impact rating of the exterior housing only; it does not include any interior mechanisum or electrical part.
2. These fans have not been wind tested for Wind Driven Rain Test per Florida Building code, TAS100 (A)-95.

DESIGN PRESSURE: +30.0 / -130.0 PSF

LARGE MISSILE IMPACT RESISTANT

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0724.02
Expiration Date 03/04/2014
By
Miami Dade Product Control

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 7 2012

FAN MODEL	HT (in)	A (in)	B (in)	C (in)	D (in)	E (in)	WEIGHT (lbs)
HRE13	30-15/16	17-3/4	23-1/2	14-3/4	25-1/2	21-1/2	147
HRE16	34-1/4	18-1/4	29-1/4	17-7/8	29-1/2	25-1/2	204
HRE20	40-1/16	21-3/4	36-3/8	21-1/2	33-7/8	29-1/2	251
HRE24	43-5/8	21-3/4	43-1/4	26-1/4	38-3/4	34-1/2	362

Notes:
1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 08034.

RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845 1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 1 of 13		

Exploded Material View - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
1	Changes Per Dade County	N Perry	1446	12/30/08
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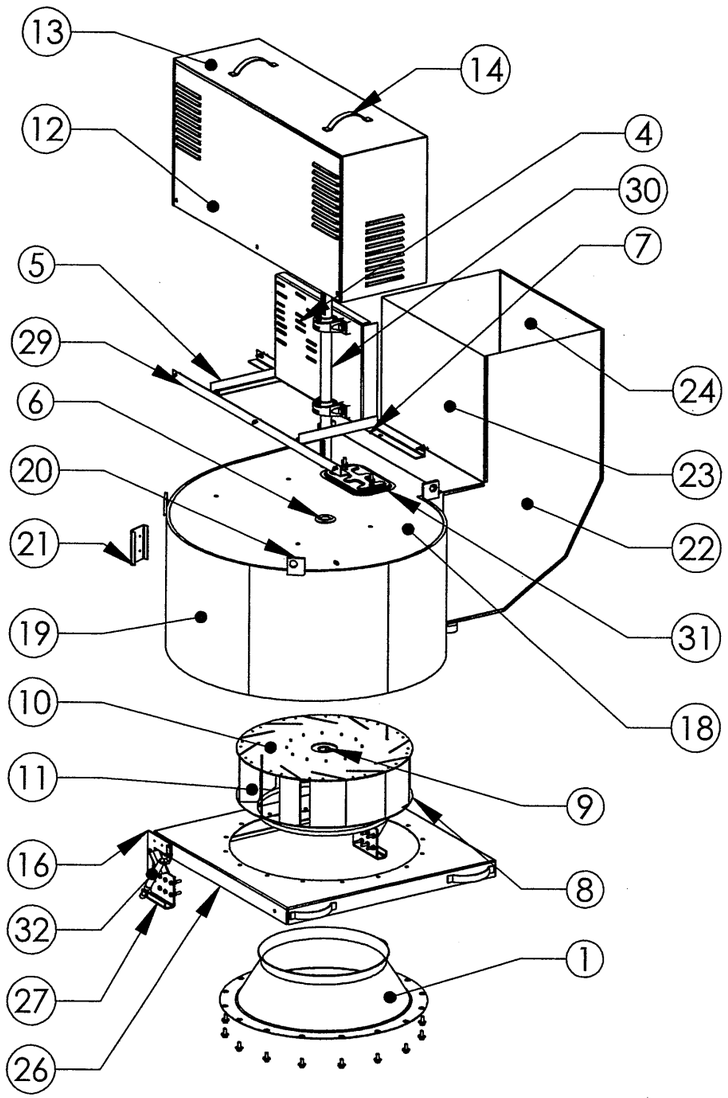

Item Number	Description	Material
1	INLET,STL	12G. HRP&O
2	BAFFLE (NOT SHOWN)	16G. HRP&O
3	BRG SUPPORT (NOT SHOWN)	1-1/2x1-1/2x1/8 ANGLE IRON
4	MOTOR P'FORM	11G. HRP&O
5	DRIVE FRAME, SIDE RAIL	1-1/2x1-1/2x1/8 ANGLE IRON
6	VINYL SEALING GROMMET - 1-7/16"	VINYL
7	VIBRATION ISOLATOR	RUBBER
8	SHROUD,STL	12G. HRP&O
9	HUBPLT	A-36 H.R, C.D. STRESS PROOF
10	BACK PLATE	8G. HRP&O
11	BLADE	10G. HRP&O INX50
12	DRIVE COVER SIDE	20G. GALV G90
13	DRIVE COVER TOP	20G. GALV G90
14	HANDLE	11G. HRP&O
15	CURB BRKT RH,FORMED (NOT SHOWN)	3/16 HRP&O
16	CURB BRKT LH,FORMED	3/16 HRP&O
17	END, OPEN, LASER (NOT SHOWN)	14G. HRPO
18	END, CLOSED, LASER	14G. HRPO
19	SCROLL,FORMED	16G. HRP&O
20	MOTOR P'FORM LUG	3/8 FLAT BAR (HR)
21	DISCONNECT BRKT	12G. HRP&O
22	EXHAUST DUCT SIDE	16G. HRP&O
23	EXHAUST DUCT TOP	16G. HRP&O
24	EXHAUST DUCT BOTTOM	16G. HRP&O
25	BI DRAIN FTG (NOT SHOWN)	BLACK IRON PIPE
26	LIFTING FRAME CAP	12G. HRP&O
27	PIVOT BRKT LH	3/16 HRP&O
28	PIVOT BRKT RH (NOT SHOWN)	3/16 HRP&O
29	DRIVE FRAME, BOTTOM RAIL	1-1/2x1-1/2x1/8 ANGLE IRON
30	SHAFT	1-7/16 C1045 HSDF
31	CLEANOUT DOOR	HOT DIPPED GALV
32	GAS SHOCK	N/A

Notes:
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PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0724.02
Expiration Date 03/09/2014
By
Miami Dade Product Control

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 7 2012

RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845 1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVEAIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 2 of 13		

Installation - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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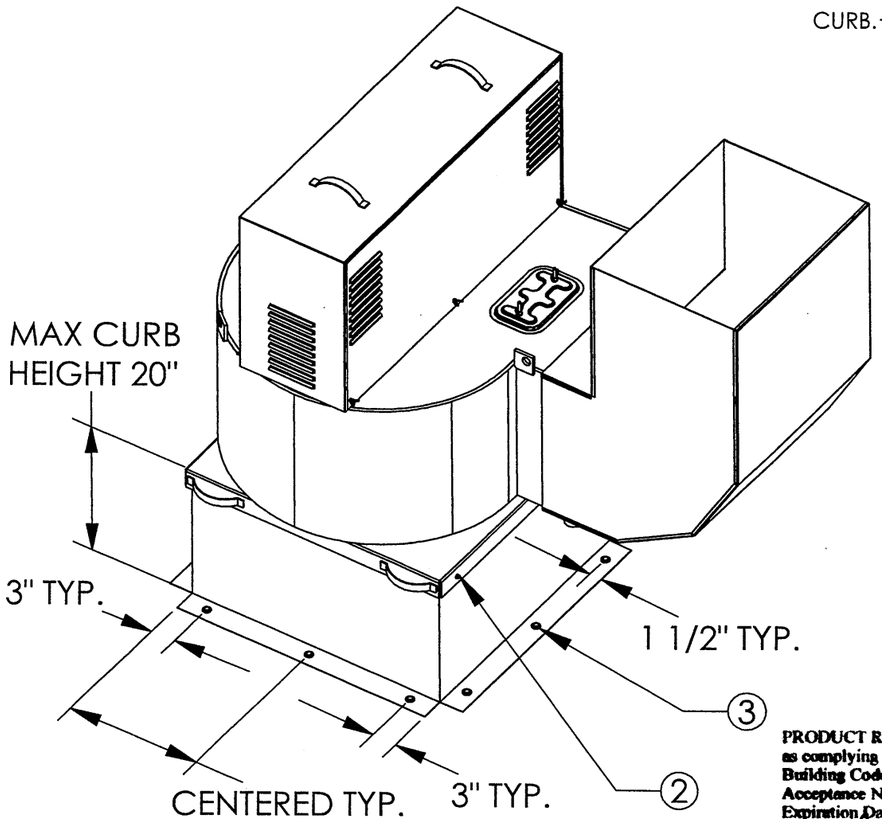
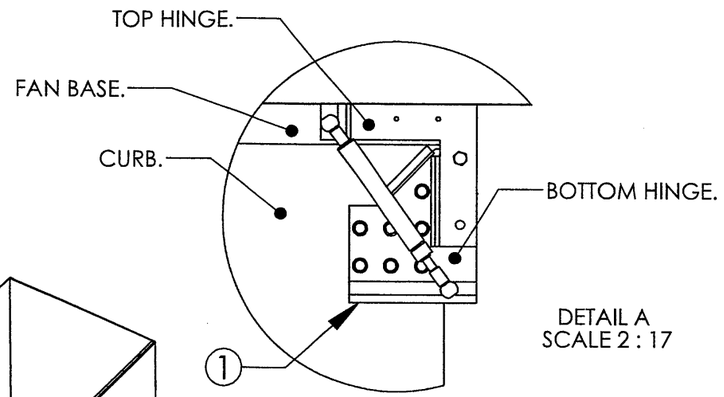
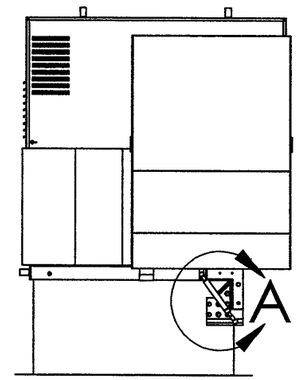




DETAIL A
SCALE 2 : 17



1. ALL HRE FANS COME WITH A HINGE KIT STANDARD THE TOP HINGE IS FACTORY INSTALLED THE BOTTOM HINGE SHOULD BE INSTALLED PER DIRECTIONS PROVIDED WITH HARDWARE.

2. SECURE FAN BASE TO CURB USING A MINIMUM OF (2) 1/4"-14 X 2" ZINC PLATED STEEL SELF DRILLING SCREWS THROUGH PRE-PUNCHED HOLES IN THE FAN BASE.

3. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" DIA PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM AND USING A MINIMUM OF (12) 3/8" X 2" (MINIMUM ENBEDMENT), ZINC PLATED STEEL LAG BOLTS AND ZINC PLATED WASHERS FOR 3/8" SCREW SIZE THROUGH FLANGE AND INTO ROOF FRAMING MEMBERS WITH A MAXIMUM SPACING OF 16 7/8".

PRODUCT REVISED
as complying with the Florid
Building Code
Acceptance No 12-0724.02
Expiration Date 03/04/2014
By
Miami Dade Product Control

Notes:
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No. 50923
STATE OF
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NOV 7 2012

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Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 3 of 13		

Dimensional Data - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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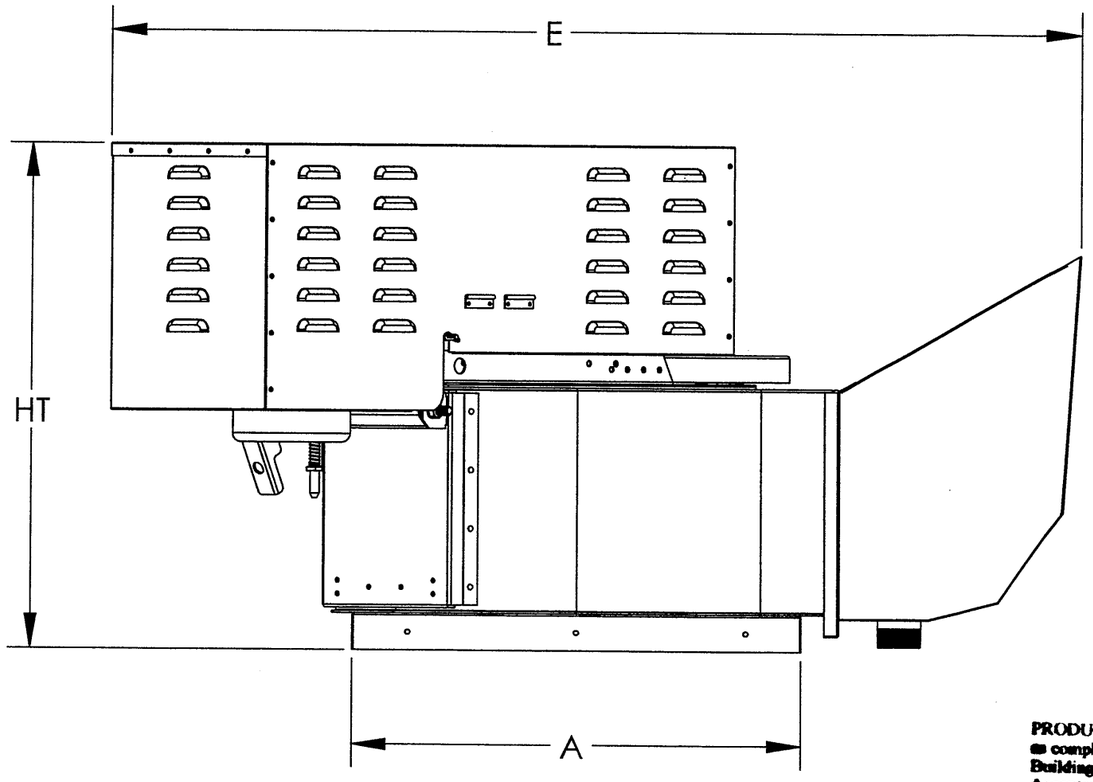
General Notes:

1. This approval is for the structural capacity and impact rating of the exterior housing only; it does not include any interior mechanisum or electrical part.
2. These fans have not been wind tested for Wind Driven Rain Test per Florida Building code, TAS100 (A)-95.



FAN MODEL	HT (in)	A (in)	E (in)	WEIGHT (lbs)
RE13BD	27	21	49	191
RE13DD	28-1/4	21	42	163
RE15BD	28	24-3/4	54	229
RE15DD	29-3/8	24-3/4	46	198
RE18BD	29-1/2	28	58	264
RE18DD	30-7/8	28	51	228
RE20BD	32	28	64	323
RE20DD	32	28	56	302
RE24BD	36	33	73	414
RE24DD	36	33	65	389

DESIGN PRESSURE: +100.0 / -100.0 PSF
LARGE MISSILE IMPACT RESISTANT

Notes:
1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 12024.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0724.02
Expiration Date 03/04/2014
By
Miami Dade Product Control

L DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 7 2012

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Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA/AX Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 4 of 13		

Exploded Material View - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
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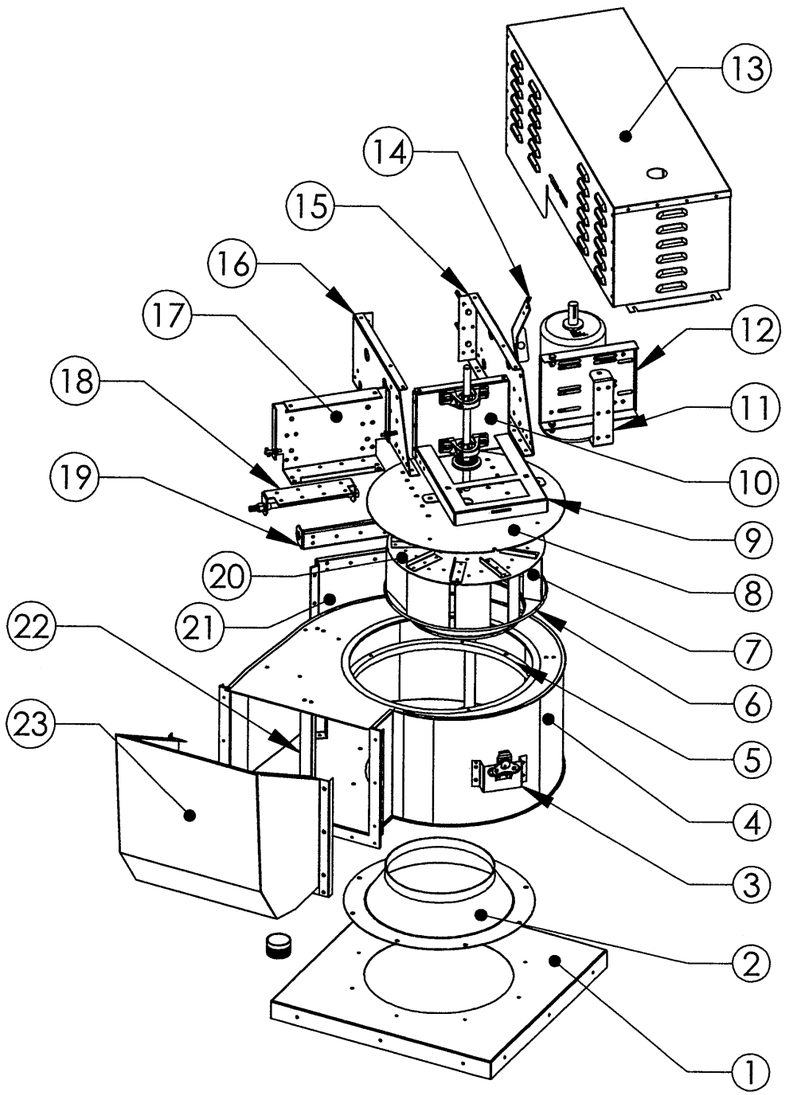

Item Number	Description	Material
1	FAN BASE	16 GA GALVANIZED G90 STEEL
2	SPUN INLET	.080 1100-0 ALUMINUM
3	LATCH PLATE	16 GA GALVANIZED G90 STEEL
4	SCROLL HOUSING ASSEMBLY	20 GA ALUMINIZED STEEL
5	SCROLL SUPPORT RING	5/8 X 3/4 X 1/8 GALVANIZED STEEL G90 STEEL
6	WHEEL VENTURI	.080 3003-0 ALUMINUM
7	WHEEL BLADE	.080 5052-H32 ALUMINUM
8	TOP PLATE	12 GA GALVANIZED G90 STEEL
9	LIFTING HANDLE	12 GA GALVANIZED G90 STEEL
10	BEARING PLATE	12 GA GALVANIZED G90 STEEL
11	MOTOR PIVOT PLATE	10 GA GALVANIZED G90 STEEL
12	MOTOR PLATE	12 GA GALVANIZED G90 STEEL
13	MOTOR COVER	20 GA GALVANIZED G90 STEEL
14	LOCK PLATE	10 GA GALVANIZED G90 STEEL
15	SUPPORT PLATE RIGHT	12 GA GALVANIZED G90 STEEL
16	SUPPORT PLATE LEFT	12 GA GALVANIZED G90 STEEL
17	SUPPORT END PLATE	10 GA GALVANIZED G90 STEEL
18	FAN PIVOT PLATE A	10 GA GALVANIZED G90 STEEL
19	FAN PIVOT PLATE B	10 GA GALVANIZED G90 STEEL
20	WHEEL BLADE TOP	16 GA GALVANIZED G90 STEEL
21	POWER PACK BACK SUPPORT	10 GA GALVANIZED G90 STEEL
22	SCROLL SUPPORT	16 GA GALVANIZED G90 STEEL
23	GREASE SCOOP	18 GA ALUMINIZED G90 STEEL

Notes:
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Blank Size: N/A x N/A	MACOLA/AX Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 5 of 13		

Installation - Steel Utility Set Exhaust

Revision History				
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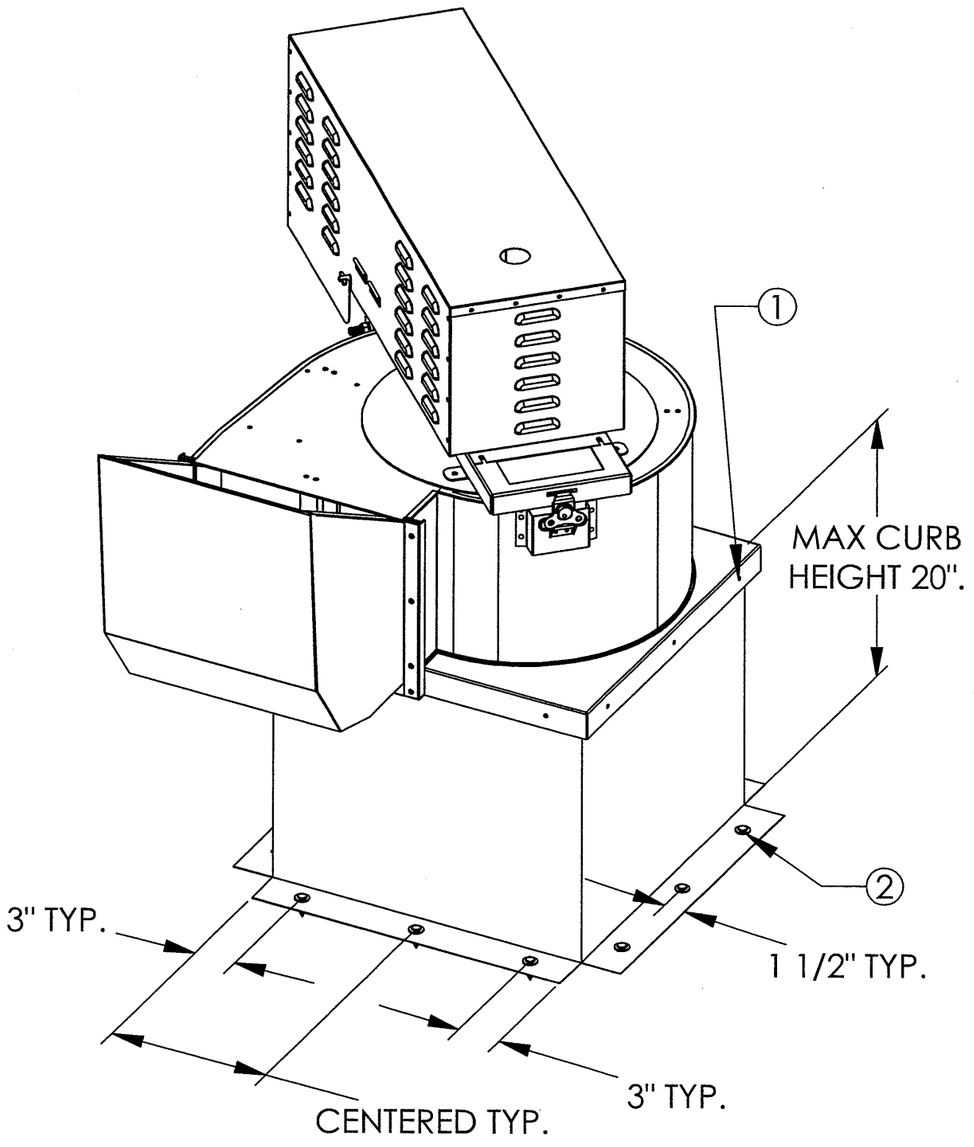

1. SECURE FAN BASE TO CURB USING A MINIMUM OF (12) 1/4"-14 X 2" ZINC PLATED STEEL SELF DRILLING SCREWS THROUGH PRE-PUNCHED HOLES IN THE FAN BASE.

2. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" DIA PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM AND USING A MINIMUM OF (12) 3/8" X 2" (MINIMUM ENBEDMENT), ZINC PLATED STEEL LAG BOLTS AND ZINC PLATED WASHERS FOR 3/8" SCREW SIZE THROUGH FLANGE AND INTO ROOF FRAMING MEMBERS WITH A MAXIMUM SPACING OF 16 7/8".

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Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 6 of 13		

Dimensional Data - Steel Utility Set Exhaust

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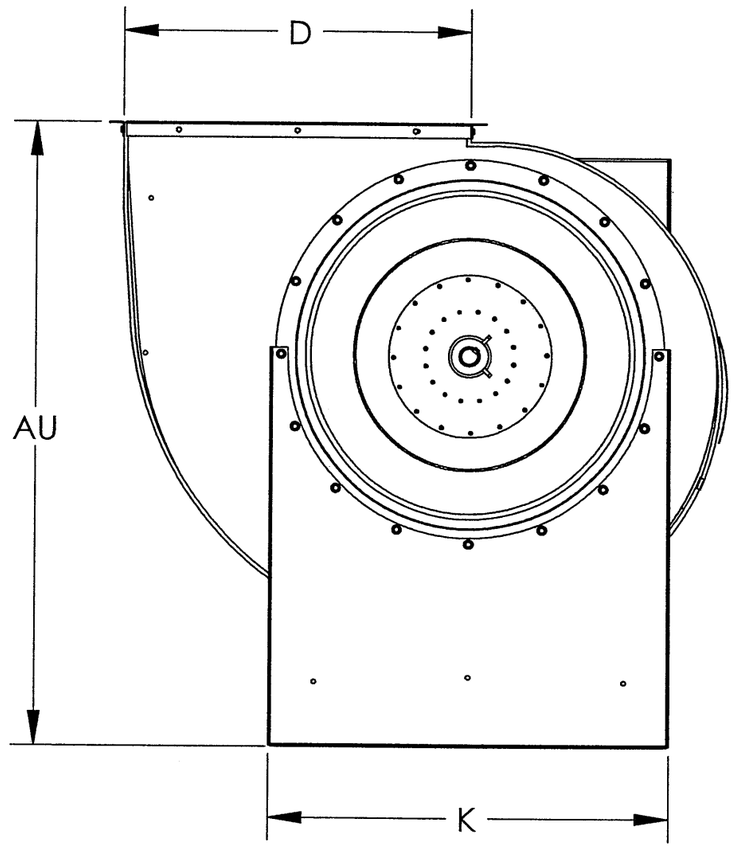

FAN MODEL	AU (in)	D (in)	K (in)	WEIGHT (lbs)
BI10	23-5/8	11-5/16	13-3/16	90
BI12	30-1/16	13	16-9/16	165
BI13	30-13/16	14-3/8	16-9/16	170
BI15	31-13/16	15-3/4	16-9/16	180
BI16	34-11/16	17-5/8	16-7/16	200
BI18	35-13/16	19-3/8	16-9/16	220
BI20	42-15/16	21-1/4	25-1/4	405
BI22	44-3/8	23-5/8	25-1/4	430
BI24	49-13/16	26	29-15/16	500
BI27	51-7/16	28-5/8	28-15/16	525
BI30	64-11/16	31-3/4	43-3/8	800
BI33	65-5/8	34-7/8	43-3/8	875
BI36	68-13/16	38-5/8	43-3/8	915
CB10	23-1/2	8-1/4	13	60
CB12	24-1/16	13-1/8	16	110
CB15	29-1/8	16-1/8	19	140
CB18	35-1/2	19-9/16	22-5/8	210
CB20	38-7/8	21-7/16	22-5/8	250
CB22	42-7/8	23-13/16	26-1/8	320
CB24	49-9/16	26-3/16	26-1/8	380
CB27	52	29	30-3/8	450
CB30	59-1/4	32-3/16	39	750
CB36	71-3/8	39-1/8	47	990
USI100	20-11/16	11-1/4	9-1/16	99
USI137	27-3/8	15-5/8	12-7/8	161
USI161	32-1/4	18-1/8	15-1/8	203
USI200	38-3/4	22-3/8	15-1/2	237
USI245	48-9/16	27-3/8	18-1/2	375
USI270	46-3/8	30-1/8	18-1/2	383
USI300	56-5/8	33-7/16	21-3/4	585
USI330	58-1/2	36-3/4	21-3/4	592
USI365	62-3/4	40-5/8	22-3/8	714

PRODUCT REVISED
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By
Miami Dade Product Control

DESIGN PRESSURE: +30.0 / -130.0 PSF

LARGE MISSILE IMPACT RESISTANT

Notes:
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2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 08034.

L. DAVID RICE
LICENSE
No. 50923
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOV 7 2012

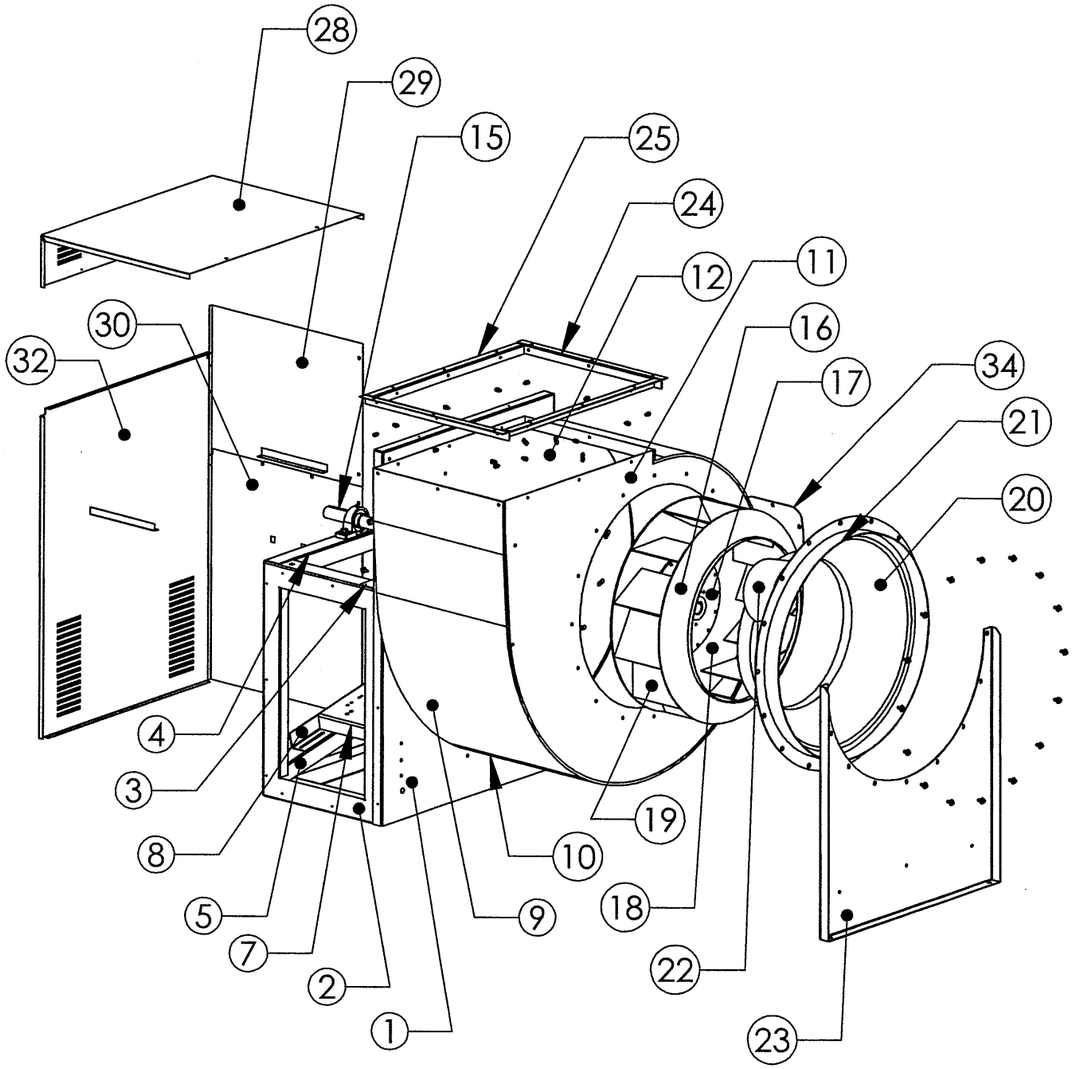
RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone 920.845 1042
Fax 920.845 1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization #9090
L. David Rice
Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: UTILITY SET		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 7 of 13		

Exploded Material View - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
1	Changes Per Dade County	N Perry	1446	12/30/08
2	HRE Dim Changes	N Perry	2181	11/19/10
3	Added RE Fan To NOA 2	N Perry	2152	4/27/12



Item Number	Description	Material
1	BACK PANEL	11G. HRP&O
2	CAB SIDE	11G. HRP&O
3	BRG SUPPT/INNER	11G. HRP&O
4	BRG SUPPT/OUTER FRAME	11G. HRP&O
5	BRG SUPPT/OUTER FRAME	11G. HRP&O
6	STRTH ANGLE (NOT SHOWN)	2X2X1/8 ANGLE IRON
7	MOTOR P'FORM BASE	3/16 HRP&O
8	MOTOR SLIDE RAIL	11G. HRP&O
9	SCROLL, FLG SIDE	16G. HRP&O
10	SCROLL, BTM SIDE	16G. HRP&O
11	END OPEN,LASER	14G. HRP&O
12	END CLOSED,LASER	14G. HRP&O
13	BI DRAIN FTG (NOT SHOWN)	BLACK IRON PIPE
14	ALUM SHAFT SLEEVE (NOT SHOWN)	3/16 ALUM
15	SHAFT	C1045 HSDF
16	SHROUD,ALUM	5052-H32 ALUM
17	HUBPLATE ALUM	2024-T351 ALUM
18	BACKPLATE	1/4G 5052-H32 ALUM
19	BLADE	3/16G 5052-H32 ALUM
20	INLET,STL	12G. HRP&O
21	COLLAR-INLET	12G. HRP&O
22	BAFFLE LASER	14G. HRP&O
23	LEG	11G. HRP&O
24	DISCH FLNG HORZ	12G. HRP&O
25	DISCH FLNG VERT	12G. HRP&O
26	9212 SIDE DISCH. FLANGE (NOT SHOWN)	18G. G90
27	CAB COVER TOP SIDE LH (NOT SHOWN)	20G. G90
28	CAB COVER TOP	20G. G90
29	CAB COVER TOP SIDE RH	20G. G90
30	CAB COVER BTM SIDE RH	20G. G90
31	CAB COVER BTM SIDE LH (NOT SHOWN)	20G. G90
32	CAB COVER BACK	20G. G90
33	HANDLE BI'S (NOT SHOWN)	11G. HRP&O
34	CLEANOUT DOOR	16G. HRP&O

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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
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Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE
Blank Size: N/A x N/A	MACOLA Number: N/A		
Weight: N/A lbs	Drawing Name: UTILITY SET	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 8 of 13		THE PERFORMANCE COMPANY

Installation - Steel Utility Set Exhaust

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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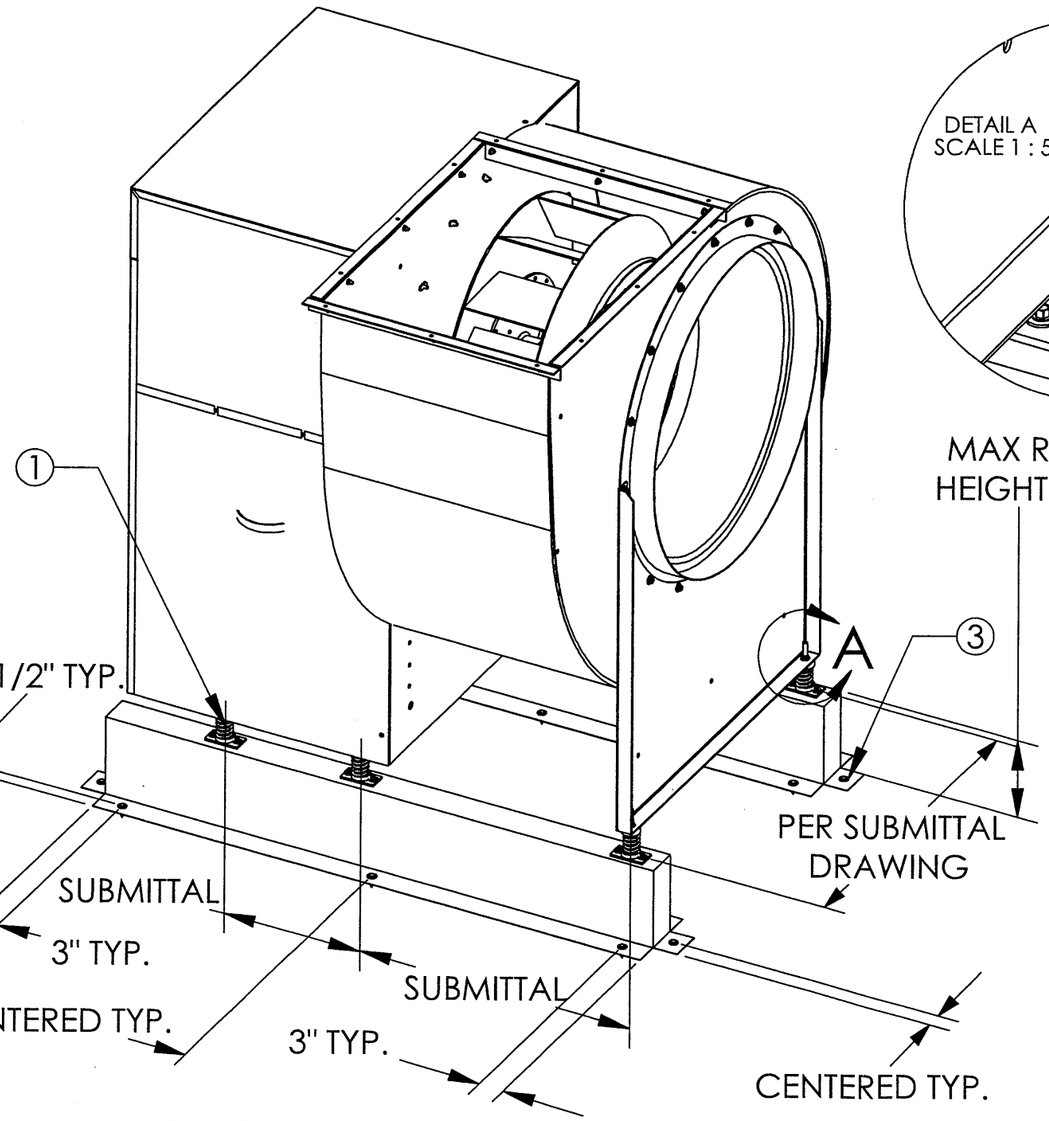

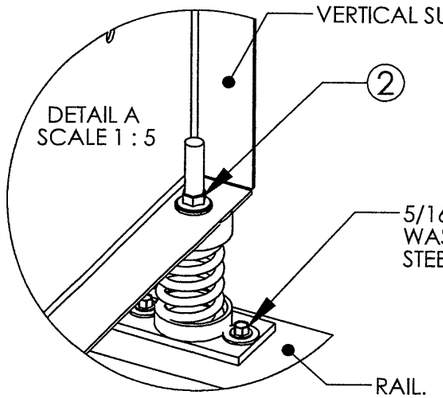

MAX RAIL HEIGHT 10"

1. LOCATE VIBRATION ISOLATORS AS NEEDED ON THE RAIL CENTER ON THE RAIL AND SECURE WITH 5/16-18 X 1 1/2" SELF DRILLING SCREWS AND APPROPRIATE SIZED WASHERS ALL HARDWARE SHOULD BE STEEL ZINC PLATED.

2. THE VIBRATION ISOLATOR IS BOLTED TO THE FAN PER THE INSTRUCTION GUIDE SUPPLIED WITH THE ISOLATOR.

2. SECURE RAIL TO ROOF FRAMING MEMBERS BY DRILLING 1/4" DIA PILOT HOLES IN THE RAIL FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM AND USING A MINIMUM OF (8) 3/8" X 2" (MINIMUM ENBEDMENT), ZINC PLATED STEEL LAG BOLTS AND ZINC PLATED WASHERS FOR 3/8" SCREW SIZE THROUGH FLANGE AND INTO ROOF FRAMING MEMBERS WITH A MAXIMUM SPACING OF 34 1/2".

Notes:
1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 08034.

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By _____
Miami Dade Product Control

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Florida Firm No: F-01000005061
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Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A		
Weight: N/A lbs	Drawing Name: UTILITY SET	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 9 of 13		

Dimensional Data - A Series Steel Supply Fans

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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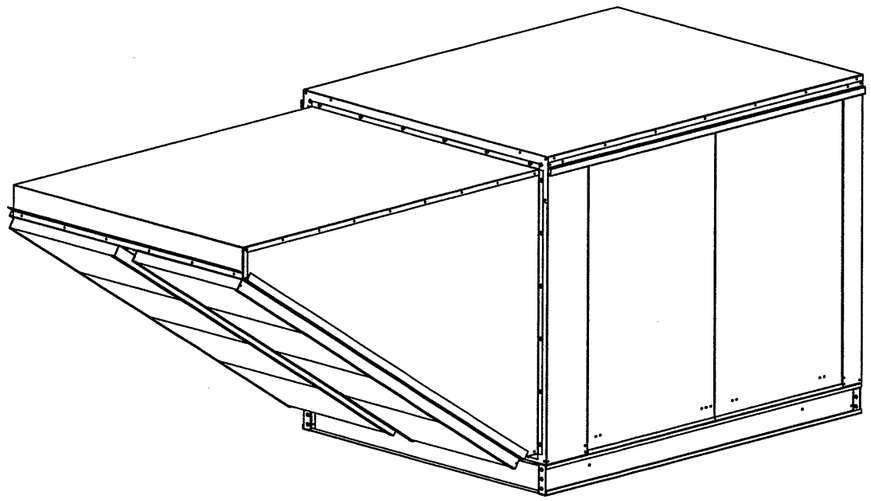
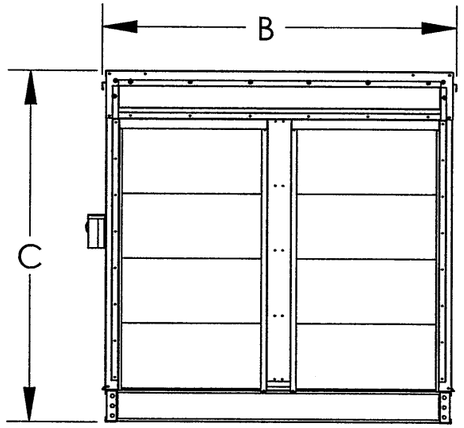
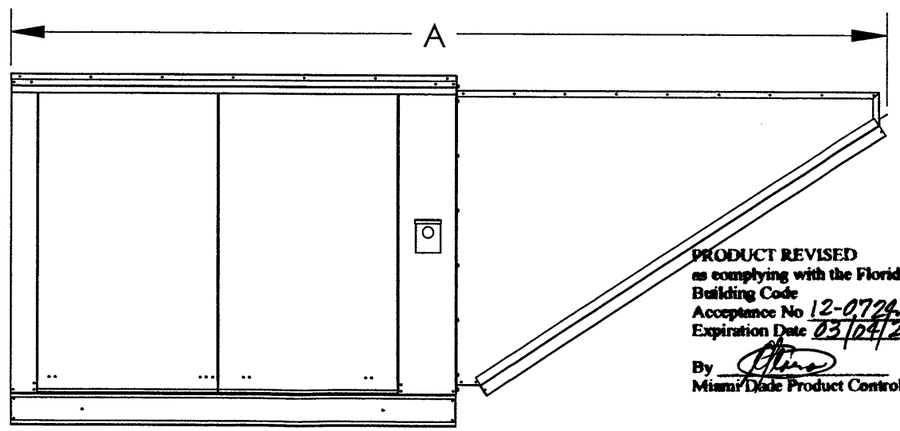


HOUSING SIZE		A LENGTH (in)	B WIDTH (in)	C HEIGHT (in)	WEIGHT (lbs)
MODULAR	1	76 1/2	27 3/8	26	250
	2	93 3/4	37 3/8	33	425
	3	96 3/4	41 3/8	38	525
	4	140 9/16	48 7/16	46 1/8	945
	5	145 9/16	59 3/16	53 1/8	1330
DIRECT FIRED	1.D	118 3/4	27 3/8	26	595
	2.D	136	37 3/8	33	810
	3.D	139	41 3/8	38	975
	4.D	194 7/8	48 7/16	46 1/8	1635
	5.D	199 7/8	59 3/16	53 1/8	2160
ELECTRIC	1.E	118 3/4	27 3/8	26	550
	2.E	136	37 3/8	33	805
	3.E	139	41 3/8	38	975
	4.E	194 7/8	48 7/16	46 1/8	1665
	5.E	199 7/8	59 3/16	53 1/8	2170
INDIRECT	1.I	149 1/8	36 11/16	48 3/4	925
	2.I	172 3/8	52 11/16	52 3/4	1315
	3.I	210 7/8	52 11/16	54 3/8	1995
STANDARD	1	57 7/8	26	28	210
	2	69 1/4	36	35	290





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Notes:
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3. Tested under Miami-Dade County Notification number ATI 08034.

DESIGN PRESSURE: +30.0 / -130.0 PSF

LARGE MISSILE IMPACT RESISTANT

Material: N/A	Part Number: A5-925	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: SUPPLY		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 10 of 13		

Materials - A Series Steel Supply Fans

Revision History				
#	Description	Revised by	ECN#	Date
0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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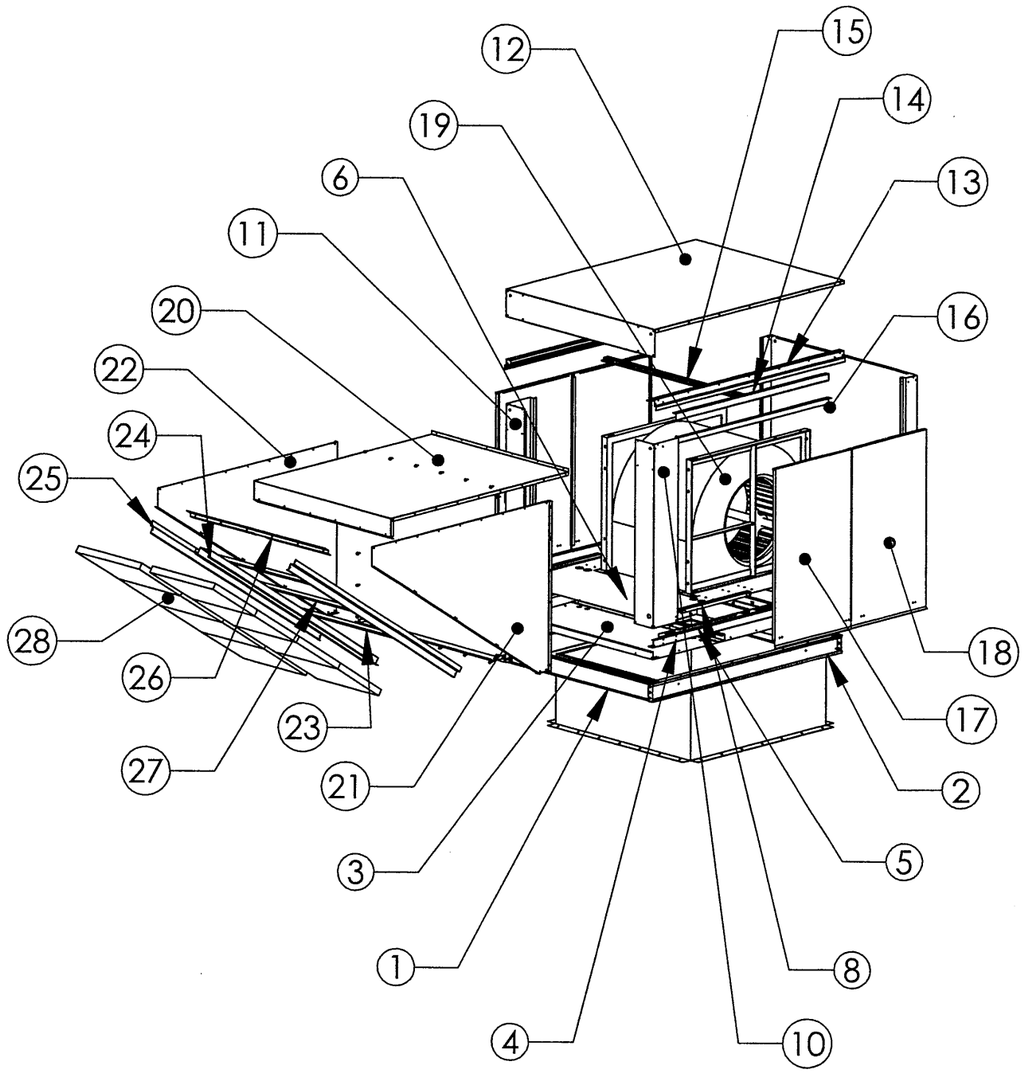

Item Number	Description	Material
1	End Flashing	18 Ga Galvanized G90
2	Main Rail	12 Ga Galvanized G90
3	Bottom	18 Ga Galvanized G90
4	Bottom Side	18 Ga Galvanized G90
5	Horizontal Support	10 Ga Galvanized G90
6	Discharge Cap	18 Ga Galvanized G90
7	Door Hook Back	18 Ga Galvanized G90
8	Door Hook Front	18 Ga Galvanized G90
9	Door Cup	18 Ga Galvanized G90
10	Right Front Post	18 Ga Galvanized G90
11	Left Front Post	18 Ga Galvanized G90
12	Lid	18 Ga Galvanized G90
13	Drip Rail	18 Ga Galvanized G90
14	Door Support	18 Ga Galvanized G90
15	Lid Support	14 Ga Galvanized G90
16	Back	18 Ga Galvanized G90
17	Door	18 Ga Galvanized G90
18	Back Door	18 Ga Galvanized G90
19	Blower	Steel
20	Awning Top	18 Ga Galvanized G90
21	Awning Right Side	18 Ga Galvanized G90
22	Awning Left Side	18 Ga Galvanized G90
23	Awning Bottom	18 Ga Galvanized G90
24	Awning Middle	18 Ga Galvanized G90
25	Awning Outside Rail	18 Ga Galvanized G90
26	Awning Rain Guard	18 Ga Galvanized G90
27	Awning Rail Spports	18 Ga Galvanized G90
28	20 X 25 X 2 Filters	Aluminum Mesh

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Material: N/A	Part Number: A5-925	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVE-AIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: SUPPLY		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 11 of 13		

Installation - A Series Steel Supply Fans

Revision History				
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0	Testing TAS - 201, 202, 203	N Perry	1446	8/25/08
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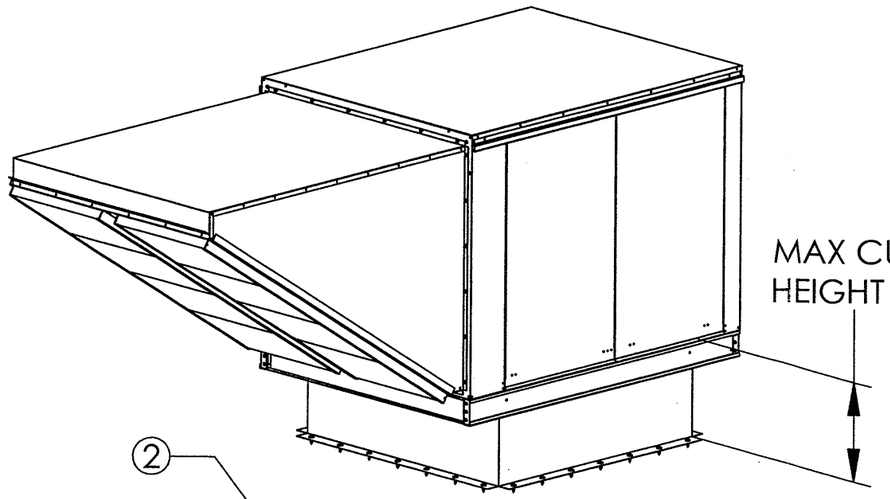
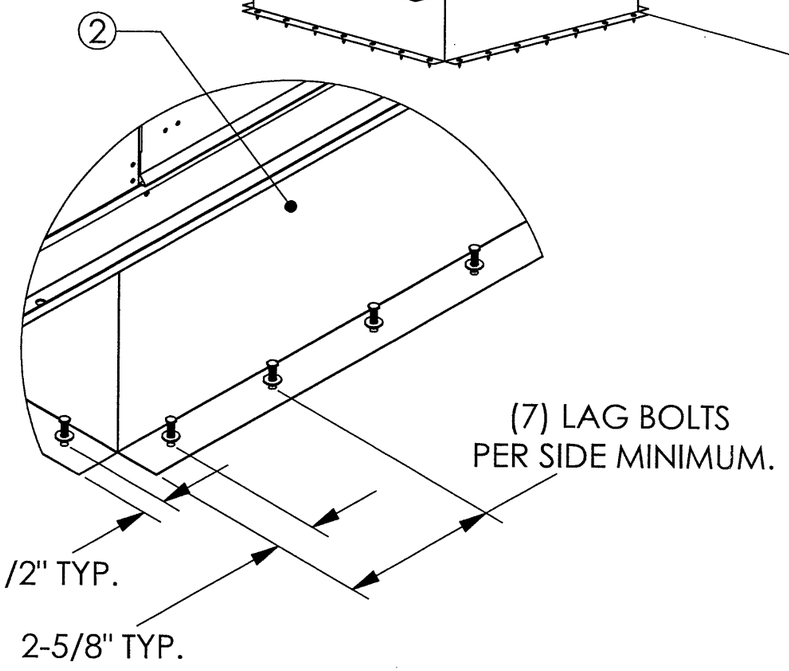
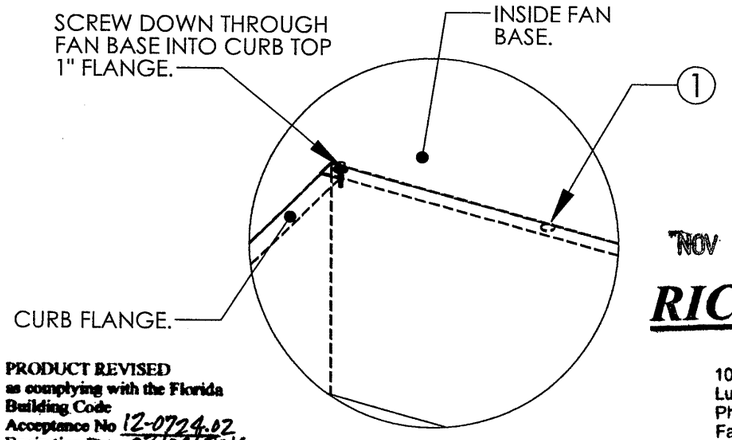




1. SECURE FAN BASE TO TOP OF CURB USING A MINIMUM OF (16) 1/4-14 X 1" SELF DRILLING SCREWS, STEEL ZINC PLATED WITH A MINIMUM OF (4) SCREWS PER SIDE FOR A TOTAL OF (16), THROUGH BOTTOM OF FAN INTO TOP OF CURB.

2. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" DIA PILOT HOLES IN CURB AT LOCATION SHOWN IN BOTTOM LEFT DIAGRAM AND USING A MINIMUM OF (28) 3/8" X 3" (MINIMUM ENBEDMENT), ZINC PLATED STEEL LAG BOLTS AND ZINC PLATED WASHERS FOR 3/8" SCREW SIZE THROUGH FLANGE AND INTO ROOF FRAMING MEMBERS WITH A MINIMUM OF (7) LAG BOLTS PER SIDE.



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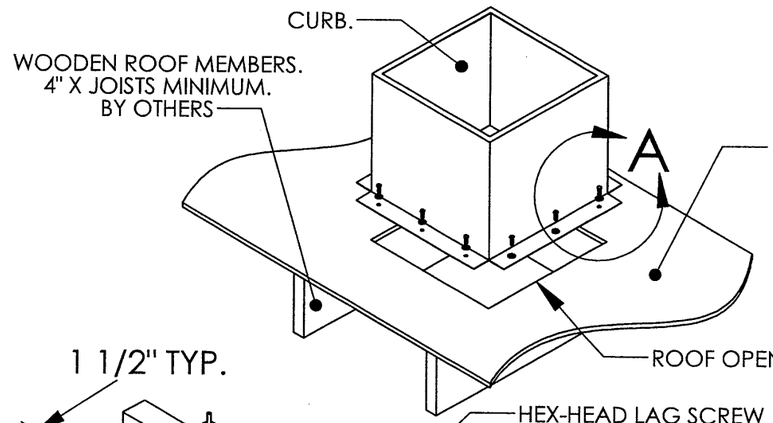
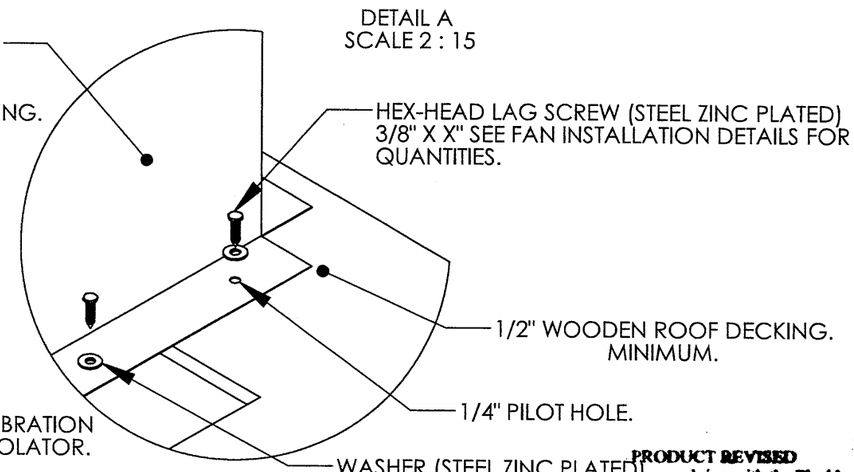
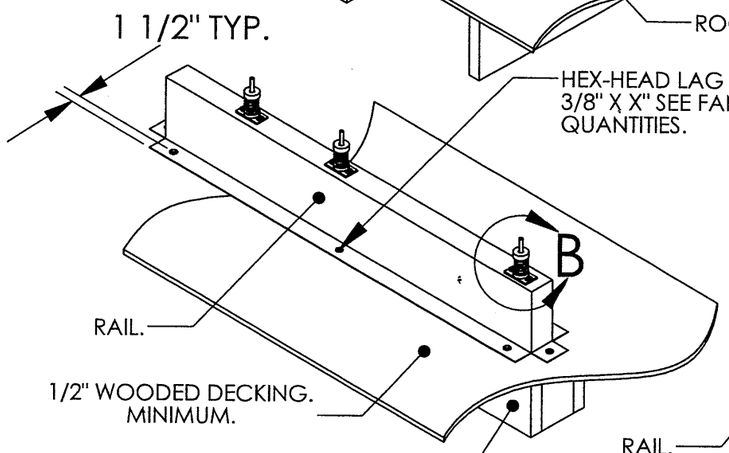
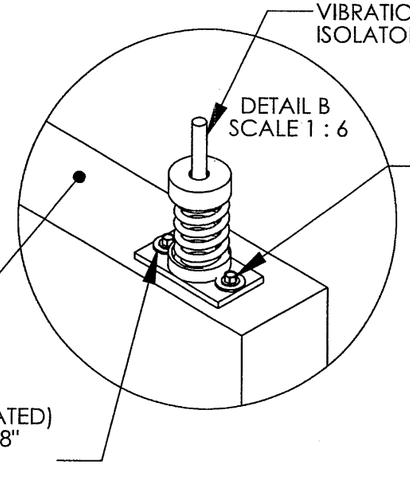
Weight: N/A lbs	Drawing Name: SUPPLY		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 12 of 13		

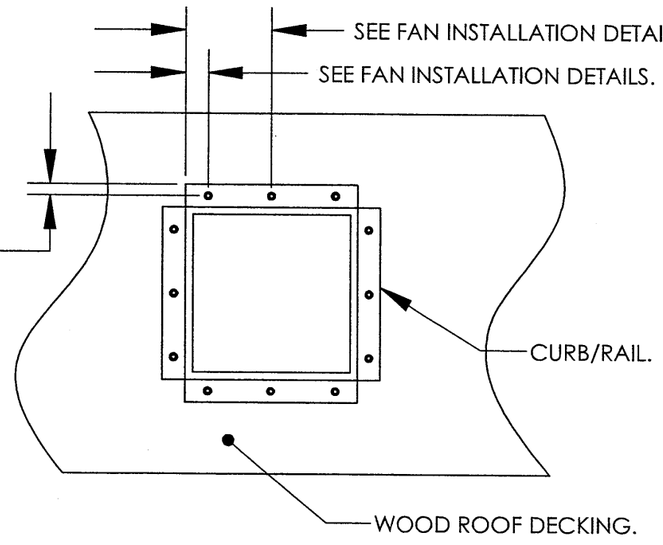
Miami-Dade County - Curb/Rail Installation Guide











Installation Instructions.

1. Drill 1/4" pilot holes in the curb/rail flanges per this document.
2. Seal the bottom of the curb/rail flange to the roof decking using an approved sealant.
3. Secure the curb/rail to the roof Framing using 3/8" X X" hardware (Minimum Embedment Per Fan Installation Sheet).
4. Lag Screws have to be secured to the framing members below decking.
5. Rails are used to support many different pieces of equipment both exhaust and supply.
6. Exhaust fans may be mounted directly to the rail or to vibration isolators mounted on the rail.
7. Vibration isolators are located per the sumittal drawing and mounted to the rail using listed hardware.

Notes:

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2. Tested for areas including high velocity hurricane zones.
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No. 50923
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOV 7 2012

RICE
ENGINEERING
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

Material: N/A	Part Number: N/A	Unless Otherwize Specified Dimensions are in Inches.	CAPTIVEAIRE THE PERFORMANCE COMPANY
Blank Size: N/A x N/A	MACOLA Number: N/A	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°	
Weight: N/A lbs	Drawing Name: CURB/RAIL INSTALLATION		
	Drawn By: N Perry		
	Drawing Number: NOA2		
	Sheet: 13 of 13		